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M Rosenbluh
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Rotation sensing with a dual atom-interferometer Sagnac gyroscope - group of 8 »
TL Gustavson, A Landragin, MA Kasevich - Class. Quantum Grav, 2000 - iop.org
... The wavefronts and **Sagnac** loop are not drawn to scale. ... a single RF synthesizer was used to **sweep** +δf or ... However, the low-frequency **phase** noise does not cancel ...
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... the chromatic dispersion of an optical fiber by use of a **Sagnac** interferometer employing asymmetric ... - group of 5 »
KS Abedin, M Hyodo, N Onodera - Opt. Lett, 2000 - OSA
... 1. (a) Schematic diagram of the **Sagnac** interferome- ter ... rection, a considerable amount of **phase** modulation could ... dc mode) triggered by the **sweep** signal from ...
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Application of **Sagnac** interferometer for measuring chromatic dispersion of installed singlemode ... - group of 3 »
KS Abedin, M Hyodo, N Onodera - Electron. Lett, 1993 - ieeexplore.ieee.org
... we report a novel use for a **Sagnac** interferometer (SI ... An 8GE:-bandwidth LiNbO, electro-optic **phase** modulator (UTP ... 100 ITIS) by using the fre- quency **sweep** mode. ...
Cited by 4 - Related Articles - Web Search

Fast wavelength-**swept** fiber laser using electro-optic polarization controller
CS Kim, F Farokhrooz, U Sharma, JU Kang - Lasers and Electro-Optics, 2004.(CLEO). Conference on, 2004 - ieeexplore.ieee.org
... as **sweep** range of the optical frequency, frequency **sweep** speed etc ... of envelop filter by changing the **phase** difference with ... m of unpumped EDF in a **Sagnac** loop to ...
Web Search

Optical frequency chirp generation by **swept** sideband injection locking - group of 2 »
Z Cole, R Krishna Mohan - Journal of Luminescence, 2004 - Elsevier
... interferometer architecture [9]) and 40 dB (**Sagnac** fiber loop ... to 10.6 GHz with a maximum **sweep** rate of ... technique by injecting **swept** cw **phase** modulated light ...
Related Articles - Web Search

... of chromatic dispersion and length of optical fiber using a **Sagnac** interferometer employing an ... - group of 2 »
KS Abedin, N Onodera, M Hyodo - Optical Fiber Communication Conference and Exhibit, 2001. ..., 2001 - ieeexplore.ieee.org
... We have recently demonstrated a use of a **Sagnac** interferomerter (SI) that employs a **phase** modulator ... scanning time: 100 ms) by using the frequency **sweep**-mode ...
Related Articles - Web Search

TIME-RESOLVED NONLINEAR COMPLEX SENSITIVITY MEASURING INSTRUMENT

K MISAWA, F INUZUKA, H LANG - EP Patent 1,541,992, 2005 - freepatentsonline.com
... and probe lights which are output from the polarized light splitting **Sagnac** type
interference light path is **swept** by a **phase** difference **sweep** mechanism (9 ...
Cached - Web Search

∘ **Noncontact fiber optic vibrometer** - **group of 4 »**
PG Davis, J Bush - Proceedings of SPIE, 2003 - optiphase.com
... reproducible to within 0.5 dB from **sweep** to **sweep**. ... Neither the **Sagnac** frequency response
nor the Optiphase Inc ... v τ < 0.5, the optical **phase** will track linearly ...
Cited by 1 - Related Articles - View as HTML - Web Search

Measurement of chromatic dispersion in optical fibres using a common path polarisation ... - group of 3 »
∘ KS Abedin, F Kubota - Circuits, Devices and Systems, IEE Proceedings [see also IEE ...,
2003 - ieeexplore.ieee.org
... recently proposed method uses a ring-type **Sagnac** interferometer (SI ... in one direction,
a considerable amount of **phase** modulation could ... The **sweep** period was 100ms ...
Related Articles - Web Search - BL Direct

Squeezed optical solitons - group of 5 »
M Rosenbluh, RM Shelby - Physical Review Letters, 1991 - APS
... demonstrate soliton squeezing is a nonlinear **Sagnac** interferometer, first ... bandwidth
∘ was 30 Hz, and the **sweep** time was ... **phase**, or by maintaining the **phase** in the ...
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T Kisters

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J Helmcke

C Bordé

Optical Ramsey spectroscopy in a rotating frame: Sagnac effect in a matter-wave interferometer - group of 5 »
F Riehle, T Kisters, A Witte, J Helmcke, CJ Bordé - Physical Review Letters, 1991 - APS
... m hk)T/MI is twice the area **swept** by the ... the interferometer, this will lead to the
total **phase** shift AO ... which is the classical result for the **Sagnac phase** in a ...
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Rotation sensing with a dual atom-interferometer Sagnac gyroscope - group of 8 »
TL Gustavson, A Landragin, MA Kasevich - Class. Quantum Grav, 2000 - iop.org
... The wavefronts and **Sagnac** loop are not drawn to scale. ... a single RF synthesizer was
used to **sweep** +δf or ... However, the low-frequency **phase** noise does not cancel ...
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Dispersion Compensation With Phase-Sensitive Optical Amplifiers - group of 5 »
PSO Amplifiers - JOURNAL OF LIGHTWAVE TECHNOLOGY, 1994 - ieeexplore.ieee.org
... **Phase**-Sensitive Optical Amplifiers ... In our scheme, linear loss in the fiber is balanced
by a chain of periodically spaced, **phase**- sensitive optical amplifiers. ...
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Birefringence and polarization effects in fiber gyroscopes - group of 8 »
GA Pavlath, HJ SHAW - Applied Optics, 1982 - OSA
... As the rotation rate was **swept** through an appropriate range, an electrical fringe
pattern of detected intensity vs **Sagnac phase** shift was traced on the storage ...
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... the chromatic dispersion of an optical fiber by use of a Sagnac interferometer employing asymmetric ... - group of 5 »
KS Abedin, M Hyodo, N Onodera - Opt. Lett, 2000 - OSA
... 1. (a) Schematic diagram of the **Sagnac** interferome- ter ... rection, a considerable amount
of **phase** modulation could ... dc mode) triggered by the **sweep** signal from ...
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Polarization Sagnac interferometer with postmodulation for gravitational-wave detection - group of 7 »
PT Beyersdorf, MM Fejer, RL Byer - Opt. Lett, 1999 - OSA
... nated the polarization **Sagnac** interferometer with a 300-mW diode-pumped Nd:YAG laser
(Lightwave Elec- tronics Model 122). A **swept**-frequency **phase** modula- tion ...
Cited by 12 - Related Articles - Web Search - BL Direct

Femtosecond Sagnac interferometer for phase spectroscopy - group of 5 »
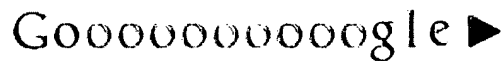K Misawa, T Kobayashi - Opt. Lett, 1995 - OSA
... us a new possibility for time-resolved **phase** spectroscopy. ... the white continuum light,
we must **sweep** the delay ... high stability we used a **Sagnac** interfer- ometer ...
Cited by 11 - Related Articles - Web Search - BL Direct

Optical **phase**-sensitive amplification using two **phase**-locked lightsources - group of 3 »

W Imajuku, A Takada - Electronics Letters, 1997 - ieeexplore.ieee.org
... power level without pump **phase** difference (**Sweep** time) ELECTRONICS ... inserted into the nonlin- ear **Sagnac** interferometer. The **phase** of the beat note is compared ...
Cited by 7 - Related Articles - Web Search - BL Direct

Application of **Sagnac** interferometer for measuring chromatic dispersion of installed singlemode ... - group of 3 »

KS Abedin, M Hyodo, N Onodera - Electron. Lett, 1993 - ieeexplore.ieee.org
... we report a novel use for a **Sagnac** interferometer (SI ... An 8GE:-bandwidth LiNbO, electro-optic **phase** modulator (UTP ... 100 ITIS) by using the fre- quency **sweep** mode. ...
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Electro-optic wavelength-tunable fiber ring laser based on cascaded composite **Sagnac** loop filters - group of 6 »

CS Kim, FN Farokhrooz, JU Kang - Optics Letters, 2004 - OSA
... Fig. 1. (a) Schematic setup of the wavelength-**swept** laser. (b) Tuning characteristics of a **Sagnac** loop envelope filter of DI 32 nm when the **phase** difference is ...
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L2	799	wavemeter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:13
L3	18	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:15
L4	15	3 and calibrat$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:18
L5	3091428	gas	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:18
L6	6	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:18
L7	1242397	pulse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:18
L8	10	4 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:22

L9	2	sweepmeter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:22
L10	0	4 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:22
L11	316891	polariz$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:23
L12	10	4 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:23
L13	23915	(polariz$ near2 scrambl$) or depolariz$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:24
L15	96	356/483.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 11:14
L17	800	356/459-466.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 09:58
L18	78	15 and polariz$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 10:01

L19	19663	waveplate or (wave adj plate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 10:01
L20	23	18 and 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 10:53
L21	991	sagnac and polariz$ and phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 10:54
L22	186030	(sweep$ or swept or modulate) and phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 11:15
L23	31887	(sweep$ or swept or modulate) with phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 10:55
L24	184	21 and 23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 10:55
L25	2	(sweep$4 or swept) and sagnac and polariz$ and (phase near3 difference).clm.	US-PGPUB	OR	ON	2007/03/19 10:56
L26	350	(misawa or inuzuka or (lang and hiroyoshi)).in.	US-PGPUB	OR	ON	2007/03/19 10:57
L27	1	26 and sagnac	US-PGPUB	OR	ON	2007/03/19 10:57
L28	2186	((385/12) or (250/227.19,227.27) or (483/12)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:15

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L29	101	23 and 28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 11:15
S1	7	(slit and interfer$7 and spectral$5 and sample and band and wavelengths).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:59
S2	3	("20040264981").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 22:01
S3	2	("20060033930").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 09:12